

SECTION 12491

LOUVER BLINDS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Extent of louver blinds - all office windows. Types of louver blinds include:
 - 1. Horizontal blinds

1.02 SUBMITTALS

- A. Product Data: Submit manufacturer's specifications and installation instructions for each type of louver blind unit required. Include methods of installation for each type of opening and supporting structure.
- B. Samples:
 - 1. For initial selection of colors, submit manufacturer's color charts consisting of sections of exposed components with integral or applied finishes showing full range of colors, and materials available for each type of louver blind assembly required.
 - 2. For verification purposes, submit samples of each component, material and finish which will be exposed to view, for each type of louver blind required. Prepare samples from same materials to be used for the work.

1.03 QUALITY ASSURANCE

- A. Provide louver blind units which are complete assemblies produced by one manufacturer for each type required, including hardware, accessory items, mounting brackets, and fastenings.
- B. Provide materials in colors and patterns (if any) as indicated, or, if not indicated, as selected by Architect from manufacturer's standard colors.

PART 2 PRODUCTS

2.01 HORIZONTAL BLINDS

- A. Manufacturer: Subject to compliance with requirements, provide products of one of the following:
 - 1. Levelor Lorentzen, Inc., Monaco 1" Blind or approved equal.
- B. Lifetime Warranty.
- C. Materials:
 - 1. Headrail: .025" thick Tomized steel, U-shaped, 3/4" high x 1 3/16" wide. All hardware enclosed in the headrail.
 - 2. Guardian Tilter: .031" thick Tomized steel housing with a self-lubricating nylon, automatically disengaging worm and gear mechanism to eliminate overdrive.
 - 3. Tilt wand: Transparent, with a fluted round cross-section approximately 5/16" in diameter and eight grooves for nonslip grip.
 - 4. Cord Lock: .031" thick Tomized steel. Crashproof.
 - 5. Drums & Cradles: Provided with each ladder. Drums are made from engineering polymer. Cradles are .025" thick Tomized steel.
 - 6. Installation Brackets: .042" thick Tomized steel with a rivet-hinged safety locking front cover to

permit removal of headrail without lateral movements.

7. Ladders (slat supports): Distance between slats does not exceed 21.5 mm (nominally 14.2 slats per vertical foot).
8. Slats: 5000 series magnesium aluminum alloy which includes recycled aluminum material. Slats are nominally 1" wide and the thickness of the slats is nominally .0060".
9. Bottom rail: .031" thick Tomized steel.

2.02 FABRICATION AND OPERATION

- A. Prior to fabrication, verify actual opening dimensions by accurate site measurements. Adjust dimensions for proper fit at all openings. Cooperate with other trades for securing tracks to substrates and other finished surfaces.
- B. Fabricate window treatment components from corrosive-resistant, non-staining, non-fading materials which are completely compatible with each other, and which do not require lubrication during normal expected life.
- C. Fabricate blind units to completely fill the openings as shown, from head-to-sill and jamb-to-jamb.
- D. Space slats to provide overlap for light exclusion when in fully closed position.
- E. Equip horizontal blind units, unless otherwise indicated for the following operation:
 1. Full-tilting operation with slats rotating approximately 180 degrees. Place tilt operating controls on left-hand side of blind units.
 2. Full-height raising, to manufacturer's minimum stacking dimension, with lifting cord locks for stopping blind at any point of ascending or descending travel. Place pull cord on right-hand side of blind units.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install louver blind units in manner indicated to comply with manufacturer's instructions. Position units level, plumb, secure, at proper height and location relative to adjoining window units and other related work. Securely anchor units with proper clips, brackets, anchorages, suited to the type of mounting indicated.
- B. Provide adequate clearance between sash and blinds to permit unencumbered operation of sash hardware.
- C. Divisions between blinds are permitted only at mullions by continuous windows or openings where more than one blind for one opening occurs, unless otherwise indicated.
- D. Isolate metal parts from concrete and mortar to prevent galvanic action. Use tape or thick coating or other means approved by Architect to effect separation.
- E. Protect installed units to ensure their being in perfect operating conditions, without damage, blemishes, or indication of use at completion of project. Repair or replace damaged units as directed by Architect.

END OF SECTION